<u>IN THE CLAIMS</u>

Please amend the claims as follows:

1. (Currently Amended)   An apparatus for processing a stream that contains encrypted packets of information representing a signal for at least ~~quasi~~ quasi-continuous rendering, the apparatus comprising:

5   —_____a decryption unit ~~arranged~~ for applying selectable ones of a plurality of different decryption algorithms to packets representing the signal; and

—_____an algorithm selection unit ~~arranged to read~~for reading algorithm selection information from the stream and ~~to control~~for

10 controlling dynamically which of the plurality of decryption algorithms the decryption unit applies to respective ones of the packets from the stream, dependent on the algorithm selection information.

2. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 1, wherein at least a first and second one of the algorithms differ in robustness against unauthorized decryption.

3. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 2, wherein the first and second one of the algorithms differ in the size of keys used in the respective algorithms.

4.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 1, wherein the algorithm selection information selects the algorithm for respective ones of the packets individually, the algorithm selection unit controlling the decryption unit on a

5   packet by packet basis.

5.   (Currently Amended)   ~~An~~ The apparatus ~~according~~ as claimed in to Claim 4, wherein algorithm selection unit reads the algorithm selection information for each particular packet from that packet.

6.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 1, wherein at least a first one of the decryption algorithms requires a selectable key, the apparatus comprising a key extraction unit for extracting key values for that key from the

5   stream and for supplying the extracted key values to the decryption unit for use as the selectable key when the first one of the decryption algorithms is used.

7.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 6, wherein the stream comprises a decryption control code, different values of the control code selecting using a first available key values with the first one of the decryption

5   algorithms, using a second available key values with the first one

of the decryption algorithms and using a second one of the decryption algorithms respectively, the algorithm selection unit being arranged to decode the algorithm extraction information from the decryption control code.

8.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 6, wherein the apparatus is arranged to obtain a key for use in the second decryption algorithm from outside the stream.

9.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 1, wherein the decryption circuit comprises a pipe-line of a decryption units, for decrypting applying different ones of the decryption algorithms respectively, a front one of the decryption units in the pipe-line being arranged to pass packets undecrypted to a succeeding one of the decryption units, when the algorithm selection information indicates that the decryption algorithm applied by the front one of the decryption units need not be applied.

10.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 1, switchable between a first and second mode of operation, the apparatus decrypting all packets of the signal in the first mode, the apparatus decrypting only packets that are

5   decryptable with a first one of the decryption algorithms in the

     second mode.

     11.   (Currently Amended)   A method of processing a stream that

     contains encrypted packets of information representing a signal for

     use in at least quasi continuous rendering, the method comprising

     the steps of:

5   —_____reading packets that represent the signal from the stream;

     —_____reading algorithm selection information from the stream;

     and

     —_____applying a selected one of a plurality of decryption

     algorithms to packets representing the signal, the decryption

10   algorithm being selected for respective ones of the packets

     dynamically on the basis of the algorithm selection information.

     12-18.   (Cancelled).

     19.   (Currently Amended)   An apparatus for outputting a stream

     that containscontaining encrypted packets of information

     representing a signal for at least quasi quasi-continuous

     rendering, the apparatus comprising:

5   —_____an algorithm selection unit, for selecting at least one of

     a plurality of decryption algorithms by which respective ones of

     the packets should be decryptable, so that the required one of the

decryption algorithms changes dynamically in the course of the

stream;

10   —_____an encryption unit for encrypting the packets, the

encryption unit being arranged to use a plurality of different

forms of encryption for the packets that represent the signal, each

form requiring a respective one of the decryption algorithms, the

algorithm selection unit controlling which of the forms are used by

15   the encryption unit for generating the respective ones of the

packets in the stream; and

—_____an algorithm selection information encoding unit for

dynamically encoding selection information in the stream to

indicate which of the decryption algorithms should be used for the

20   packets that represent the signal.

20-21.   (Cancelled).

22.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed

in Claim 19, the signal being a video signal comprising

independently decodable video frames and dependently decodable

video frames that are decodable as updates to other video frames,

5   wherein the algorithm selection unit is arranged to select a first

one of the decryption algorithms for packets that contain no

information from the independently decodable frames and a second

one of the decryption algorithms for packets that contain
information about the independently decodable frames.

23.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed
in Claim 19, the algorithm selecting unit selecting first keys
required for the first one of the decryption algorithms, the first
keys varying during progress of the stream while a second key for
5   the second one of the decryption algorithms, if any, remains the
same, or changes less frequently than the first keys, the second
one of the algorithms being an algorithm that is more robust
against unauthorized hacking than the first one of the algorithms.

24.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed
in Claim 19, wherein the algorithm selection unit is arranged to
select the decryption algorithm on a packet by packet basis, the
algorithm selection information encoding unit encoding the
5   algorithm selection information for respective ones of the packets
individually in the stream.

25.   (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed
in Claim 24, wherein the algorithm selection information encoding
unit is arranged to encode the algorithm selection information for
each particular packet in that particular packet.

26. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 19, wherein the encryption unit encrypts the packets for decryption with the first decryption algorithm so that successively different decryption keys are required for decryption, the packets

5   for decryption with the second decryption requiring a non-changing key, if any, or a key that changes less frequently than the successively different decryption keys of the first decryption algorithm.

27. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 26, wherein the second decryption algorithm is an algorithm that is more robust against unauthorized hacking than the first decryption algorithm.

28. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 26, the algorithm selection information encoding unit including the algorithm encoding information and key selection information for selecting from available ones of the successively

5   different decryption keys encoded together in a code, so that different values of the code select the first decryption algorithm with different available ones of the successively different decryption keys and the second decryption algorithm respectively.~~-~~

29. (Currently Amended)   A method of outputting a stream ~~that~~ ~~contains~~containing encrypted packets of information representing a signal for use in at least quasi continuous rendering, the apparatus comprising the steps of:

5   —   selecting a plurality of different decryption algorithms by which respective ones of the packets should be decodable, so that the required one of the decryption algorithms changes dynamically in the course of the stream;

—   encrypting the packets in the stream so that the selected

10   ones of the decryption algorithms are needed for decrypting the packets; and

—   dynamically encoding selection information in the stream to indicate which of the decryption algorithms should be used for the packets that represent the signal.

30-38.   (Cancelled).

39.   (Currently Amended)   A transcrypting apparatus for transcrypting a stream that contains encrypted packets of information representing a signal for at least ~~quasi~~ quasi-continuous rendering, said transcrypting apparatus comprising:

5   —   a stream input and a stream output, for inputting and outputting the stream, respectively;

—   a selection unit for selecting a subset of packets from a

set of packets that represent the signal;

—   a decryption unit for decrypting the packets of the subset

10 with a first decryption algorithm;

—   an encryption unit for encrypting the packets of the

subset with a form of encryption that requires at least a second

decryption algorithm different from the first decryption algorithm;

—   an algorithm selection information encoding unit for

15 dynamically encoding selection information that indicates which of

the first algorithm and at least the second decryption algorithms

should be used for which of the packets that represent the signal;

and

—   an output unit for outputting encrypted packets from the

20 stream input that are not contained in the first subset in

combination with the packets from the subset that have been

encrypted with said form of encryption.

40.   (Cancelled).

41.   (Currently Amended)   A The transcrypting apparatus ~~according~~

~~to~~as claimed in Claim 39, wherein the output unit is arranged to

output packets that are not contained in the first subset as

encrypted at the stream input, the output unit outputting the

5   packets from the subset that have been encrypted with said form of

encryption interspersed with the output packets that are not

contained in the first subset.

42. (Currently Amended) A The transcrypting apparatus ~~according~~

~~to~~as claimed in Claim 39, the signal being a video signal

comprising independently decodable video frames and dependently

decodable video frames that are decodable as updates to other video

5 frames, wherein the subset comprises all packets that contain

information about the independently decodable video frames.

43. (Currently Amended) A The transcrypting apparatus ~~according~~

~~to~~as claimed in Claim 39, wherein the algorithm selection

information encoding unit is arranged to encode the selection for

respective ones of the packets individually.

44. (Cancelled).

45. (Currently Amended) A method of transcrypting a stream ~~that~~

~~contains~~containing encrypted packets of information representing a

signal for at least quasi continuous rendering, the method

comprising the steps of:

5 — receiving the stream;

— selecting a subset of packets from a set of packets that

represent the signal;

—   decrypting the packets of the subset with a first
decryption algorithm;

10   —   reencrypting the packets of the subset with a form of
encryption that requires at least a second decryption algorithm
different from the first decryption algorithm;

—   encoding selection information that indicates dynamically
which of the first algorithm and at least the second decryption

15   algorithms should be used for which of the packets that represent
the signal~; and

—   replacing the packets of the subset in the stream by the
reencrypted packets.

46.   (Cancelled).

47.   (Currently Amended)   A The method according to as claimed in
Claim 45, the signal being a video signal comprising independently
decodable video frames and dependently decodable video frames that
are decodable as updates to other video frames, wherein the subset

5   comprises all packets that contain information about the
independently decodable video frames.

48.   (Currently Amended)   A The method according to as claimed in
Claim 45, wherein the algorithm selection information encoding unit

is arranged to encode the selection for respective ones of the packets individually.

49. (Cancelled).

50. (Currently Amended)   An apparatus for processing a stream containing encrypted packets of video information from a program, the apparatus comprising:

—_____a supply circuit for supplying first and second control

5   words for decrypting first and second packets of video information from the program, the supply circuit periodically replacing the first control word using information from the stream while keeping the second control word unchanged during successive changes of the first control word, the supply circuit obtaining control word

10   selection code to select which of the first and second control word will be supplied for respective ones of the packets; and

—_____a decryption circuit arranged to decrypt packets of video information from the program with the keywords supplied by the supply circuit.—.

51. (Currently Amended)   An The apparatus according toas claimed in Claim 50, wherein the decryption circuit is arranged to apply a first and second, mutually different decryption algorithm for decryption of the packets decrypted with the first and second

5 control word respectively, the second decryption algorithm being

   more robust against unauthorized hacking than the first decryption

   algorithm.

   52. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed

   ~~in~~ Claim 50, wherein said apparatus is switchable between a first

   mode and a second mode, so that in the first mode, both first and

   second packets of the program are decrypted, and in the second

5 mode, only second packets of the program are decrypted.

   53. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed

   ~~in~~ Claim 52, wherein the apparatus ~~has~~ further comprises a decoding

   unit arranged to produce a trick play video signal of the program

   from the decrypted second packets in the second mode and a normal

5 play video signal of the program from the decrypted first and

   second packets in the first mode.

   54. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed

   ~~in~~ Claim 50, wherein the decryption circuit is arranged to

   distinguish between the first and second packets on the basis of

   information included in the packets.

55. (Currently Amended)   An apparatus for transcrypting an input stream of encrypted packets of video information from a program, the apparatus comprising:

— a decryption unit coupled to a stream input for receiving

5 packets of video information from the program, the decryption unit being arranged to decrypt the packets using regularly updated first control words;

— an encryption unit coupled to the decryption unit for receiving decrypted packets and re-encrypting the packets using a

10 second control word that does not change or changes less frequently than the first control words;

— a packet selection unit, coupled to the stream input for detecting selected packets; and

— a stream forming unit coupled to the stream input, to an

15 output of the encryption unit and the packet selection unit for forming an output stream from the input stream, wherein the selected packets are replaced by the re-encrypted packets.

56. (Currently Amended)   ~~An~~ The apparatus ~~according to~~ as claimed in Claim 55, wherein the encryption unit is arranged to re-encrypt the packets of video information from the program with an encryption process that is more robust against unauthorized hacking

5 than the first decryption algorithm.

57. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 56, wherein the packet selection unit is arranged to select the selected packets according to whether the selected packets contain information of video frames that are decodable

5   independently, without reference to other video frames.

58. (Currently Amended)   ~~An~~ The apparatus ~~according to~~as claimed in Claim 56, wherein the encryption unit is arranged to include in the output stream selection information to indicate for each packet individually whether a first or second decryption process should be

5   used.

59. (Currently Amended)   A stream of data that contains encrypted packets of information representing a signal for at least ~~quasi~~ quasi-continuous rendering, the stream of data comprising:

—   algorithm selection information indicating for

5   interspersed packets of the signal which of a plurality of different decryption algorithms should be used for decrypting respective ones of the packets of the signal; and

—   packets of the signal encrypted so that different decryption algorithms have to be used for decrypting different ones

10   of the packets.

60-62. (Cancelled).

63. (Currently Amended)   A system for processing a stream that contains encrypted packets of information representing a signal for at least quasi continuous rendering, the system comprising:

— an algorithm selection unit, for selecting at least one of

5   a plurality of decryption algorithms by which respective ones of the packets should be decodable, so that the required one of the decryption algorithms changes dynamically in the course of the stream;

— an encryption unit for encrypting the packets, the

10   encryption unit being arranged to use a plurality of different forms of encryption for the packets that represent the signal, each form requiring respective ones of the decryption algorithms, the algorithm selection unit controlling which of the forms are used for the respective ones of the packets by the encryption unit;

15   — an algorithm selection information encoding unit for dynamically encoding selection information in the stream to indicate which of the decryption algorithms should be used for the packets that represent the signal.

— a decryption unit arranged for applying selectable ones of

20   a plurality of different decryption algorithm to packets representing the signal; and

— an algorithm selection unit arranged to read the algorithm selection information from the stream and to control dynamically

which of the plurality of decryption algorithms the decryption unit

25   applies to respective ones of the packets from the stream,

dependent on the algorithm selection information.